

ABSTRACT

A fuel injector, especially for directly injecting fuel into a combustion chamber of an internal combustion engine, having a valve needle which, at its spray-discharge end, has a valve-closure member that cooperates with a valve-seat surface formed on a valve-seat member to form a sealing seat, and having at least one spray orifice provided downstream from the sealing seat, and an armature that acts on the valve needle.

10 The armature is positioned so as to be axially movable on the valve needle between a first limiting stop situated on the valve needle and a second limiting stop, and is hydraulically damped at the first limiting stop by a pressure medium.